Cheatsheet: CSS Overview & HTML5 Elements

Element	Description	Example
<!DOCTYPE html>	All HTML documents must start with this declaration. It tells the browser what document type to expect. Note that this element has no ending tag.	``` <!DOCTYPE html> <html> <head> <title>Document Title</title> </head> <body> Document body here </body> </html> ```
<a href="path">	This tag, called an "anchor tag" creates hyperlinks using the href attribute. In place of **path** enter the URL or path name to the page you want to link to.	``` IBM ```
<article>	Identifies a self-contained piece of content that could be distributed to other websites and platforms as a stand-alone unit. Similar to <div> tag in that it does not render as anything special in the browser unless it is styled with CSS.	``` <article class="CSS-Style-Reference"> HTML HTML stands for Hypertext Markup Language. It is a standardized system for tagging text files to display specific font, color, graphics, and hyperlinks on World Wide Web pages. </article> ```
<aside>	Defines some content aside from the content it is placed in. Similar to <div> tag in that it does not render as anything special in the browser unless it is styled with CSS.	``` <aside> Use the aside tag to represent a section of a page that consists of content tangentially related to the content. </aside> ```
<body>	Contains the contents of the HTML document. It should contain all	``` <!DOCTYPE html> <html> <head> <title>Document Title</title> </head> <body> Document body here </body> ```

| | other tags besides the \<head\> element to display the body of the document. | ```
</html>
``` |
| **\<div\>** | Often used to separate sections in the body of a document in order to style that content with CSS. | ```
<div>
This element has no particular semantic meaning but is often used
in conjunction with CSS for styling purposes.
</div>
``` |
| **\<fieldset\>** | Groups related elements in a form and puts a box around them. | ```
<form action= "/script.php">
<fieldset>
<legend>User:</legend>
<label for="fname">First name:</label>
<input type="text" id="fname" name="fname"><br><br>
<label for="lname">Last name:</label>
<input type="text" id="lname" name="lname"><br><br>
<input type="submit" value="Submit">
</fieldset>
</form>
``` |
| **\<figcaption\>** | Used in conjunction with the \<figure\> tag to mark up an image. | ```
<figure>
<img src="durham.jpg">
<figcaption>Fig.1 - Durham, NC</figcaption>
</figure>
``` |
| **\<figure\>** | Used to mark up an image in conjunction with the \<figcaption\> tag. | ```
<figure>
<img src="durham.jpg">
<figcaption>Fig.1 - Durham, NC</figcaption>
</figure>
``` |
| **\<footer\>** | Contains a footer of a document and often contains information such as authoring, copyright info, contact info, sitemap, and related documents. | ```
<footer>
<p>Author: Christopher Moore</p>
</footer>
``` |

\<form\>	Creates an HTML form for user input.	``` <form action="/script.php"> <fieldset> <legend>User:</legend> <label for= "fname">First name:</label> <input type="text" id="fname" name="fname"> <label for= "lname">Last name:</label> <input type="text" id="lname" name="lname"> <input type="submit" value="Submit"> </fieldset> </form> ```
\<h1\>	Adds a level 1 heading to the HTML document.	``` Thomas J. Watson ```
\<head\>	Contains metadata and should be placed after the \<html\> tag and before the \<body\> tag.	``` <!DOCTYPE html> <html> <head> <title>Document Title</title> </head> <body> Document body here </body> </html> ```
\<header\>	A container for introductory content such as heading elements, logo, or authoring information.	``` <header> <h1>Header tag example</h1> <p>It works as a container for introductory content such as heading elements, logo, or authoring information.</ <p>Author: Christopher Moore</p> </header> ```
\<html\>	The root element of an HTML document. All other tags in the document should be contained in this tag.	``` <!DOCTYPE html> <html> <head> <title>Document Title</title> </head> <body> Document body here </body> </html> ```
\<img src="path" width="dim1" height="dim2"\>	This tag is used to place an img. In place of path insert a URL or a relative file path to the image location. Other optional attributes include	``` <img src="https://upload.wikimedia.org/wikipedia/commons/7/7e/Thomas_J_Watson_Sr.jpg" width="300" height="300"> ```

	width and height of the image in pixels.	
\<input type="?"\>	Specifies an input field on a form with the type attribute. Common input types include: "color," "date," "datetime-local," "email," "number," "range," "search," "url", "tel,""text" and "submit"	`<form action="/script.php">` `<fieldset>` `<legend>User:</legend>` `<label for="fname">First name:</label>` `<input type="text" id="fname" name="fname">  ` `<label for="lname">Last name:</label>` `<input type="text" id="lname" name="lname">  ` `<input type="submit" value="Submit">` `</fieldset>` `</form>`

\<li\>	Element that creates bulleted line items in an ordered or unordered list. Should be used in conjunction with the \<ul\> or \<ol\> tags.	`<ul>`
		`<li>Bullet point 1</li>`
		`<li>Bullet point 2</li>`
		`</ul>`

\<link\>	Used to link a CSS document to an HTML document.	`<head>`
		`<link rel="stylesheet" href="styles.css">`
		`</head>`

\<meta\>	Used to provide metadata about the HTML document.	`<head>`
		`<meta name="author" content="Christopher Moore">`
		`</head>`

\<nav\>	Used to define a set of navigational elements.	`<nav>`
		`<a href="home.html">Home</a>`
		`<a href="page1.html">Page 1</a>`
		`<a href="page2.html">Page 2</a>`
		`</nav>`

\<ol\>	Element that creates an ordered list using	`<ol>`
		`<li>Numbered bullet point 1</li>`
		`<li>Numbered bullet point 2</li>`
		`</ol>`

	numbers. Should be used in conjunction with the tag.	
<p>	This tag is used to identify a paragraph. It places a line break after the text it is enclosed in.	``` Thomas J. Watson, Sr. is the American industrialist, who built the International Business Machines Corporation (IBM) into the largest manufacturer of electric typewriters and data processing equipment in the world. ```
<script>	Used to embed Javascript in an HTML document.	```<script> alert("Hello World"); </script>```
<section>	Defines an important section of a document. Can be used within headers and footers as well.	```<section> Introduction This document provides some examples of how to use a variety of HTML elements </section>```
<style>	Used to apply simple CSS to an HTML document.	```<head> <style> p {color:red} </style> </head> <body> This paragraph will be red because I've styled the paragraph tag with CSS. </body>```
<table>	This tag is used to denote a table. Should be used with <tr> (defines a table row) and <td> (defines a table cell within a row) tags. The <th> tag can also be used to define the	```<table> <tr> <th>Header cell 1</th> <th>Header cell 2</th></tr> <tr> <td>First row first cell</td> <td>First row second cell</td> </tr> <tr> <td>Second row first cell</td> <td>Second row second cell</td> </tr> </table>```

	table header row.	
<td>	Denotes a cell within a row, within a table.	``` <table> <tr> <th>Header cell 1</th> <th>Header cell 2</th> </tr> <tr> <td>First row first cell</td> <td>First row second cell</td> </tr> <tr> <td>Second row first cell</td> <td>Second row second cell</td> </tr> </table> ```
<th>	Denotes the header cells within a row within a table.	``` <table> <tr> <th>Header cell 1</th> <th>Header cell 2</th> </tr> <tr> <td>First row first cell</td> <td>First row second cell</td> </tr> <tr> <td>Second row first cell</td> <td>Second row second cell</td> </tr> </table> ```
<title>	Defines the title of the HTML document displayed in the browser's title bar and tabs. It is required in all HTML documents. It should be contained in the <head> tag.	``` <!DOCTYPE html> <html> <head> <title>Document Title</title> </head> <body> Document body here </body> </html> ```
<tr>	Denotes a row within a table.	``` <table> <tr> <th>Header cell 1</th> <th>Header cell 2</th> </tr> <tr> <td>First row first cell</td> <td>First row second cell</td> </tr> <tr> <td>Second row first cell</td> <td>Second row second cell</td> </tr> </table> ```

** **	Element that creates an unordered list using bullets. Should be used in conjunction with the tag.	``` - Bullet point 1 - Bullet point 2 ```